

S.N. 10/083,692  
Art Unit 1723

Page 3

### AMENDMENTS TO THE CLAIMS

This listing of claims will replace all prior versions and listings of claims in the application:

#### Listing of claims:

Claims 1-2 (cancelled)

Claim 3. (currently amended) A method for cleaning industrial lubricants according to claim 1 used in industrial processes, the method comprising providing a centrifugal separator apparatus connected as a bypass or in-line filter in a lubricating or washing fluid tank, wherein the apparatus includes including more than one centrifugal separator, each separator having a casing and a rotor rotatably mounted in the casing, an inlet and an outlet, with the inlets of the separators connected to an inlet manifold and the outlets of the separators connected to an outlet manifold, a centrifugal pump provided between the tank and the inlet manifold, and a source of compressed air provided connected to the casings of the separators, some of the fluid from the tank being pumped by the centrifugal pump into the separators to cause the rotors to rotate and impinge the fluid on the casings at a rotational force in a range of between about 1000g and about 2000g and clean the fluid, the cleaned fluid being returned to the tank, a control panel monitoring the operation of the separators and controlling the pump and source of compressed air to maintain the rotational force of the separators within the range of about 1000g to about 2000g

Claim 4. (currently amended) A method for cleaning industrial lubricants according to claim 1 used in industrial processes, the method comprising providing a centrifugal separator apparatus connected as a bypass or in-line filter in a lubricating or washing fluid tank, wherein the tank comprises a sloping bottom which slopes in both linear directions of the tank to provide a low point at one corner of the tank where the inlet to the centrifugal separator is located the apparatus including a centrifugal separator having a casing and a rotor rotatably mounted in the casing, a centrifugal pump provided between the low point at one corner of the tank and an inlet of the separator, and a source of compressed air provided connected to the

S.N. 10/083,692  
Art Unit 1723

Page 4

casing of the separator, some of the fluid from the tank being pumped by the centrifugal pump into the separator to cause the rotor to rotate and impinge the fluid on the casing at a rotational force in a range of between about 1000g and about 2000g and clean the fluid, the cleaned fluid being returned to the tank, a control panel monitoring the operation of the separator and controlling the pump and source of compressed air to maintain the rotational force of the separator within the range of about 1000g to about 2000g.

Claim 5. (currently amended) A centrifugal separator apparatus according to claim 2 for use as a bypass or in-line filter in cleaning fluid utilized in industrial applications, wherein the apparatus includes comprising more than one centrifugal separator, each centrifugal separator having a casing and a rotor rotatably mounted in the casing, an inlet and an outlet, with the inlets of the centrifugal separators connected to an inlet manifold and the outlets of the centrifugal separators connected to an outlet manifold a centrifugal pump between a cleaning fluid tank and the inlet manifold for pumping some of the fluid from the tank into the separators to cause the rotors to rotate at a speed sufficient to provide a rotational force of the fluid impinging on the casings in a range of between about 1000g and about 2000g to thereby clean the fluid, a source of compressed air connected to the casings of the separators for maintaining the volume of air in the casings, and a control panel for monitoring the operation of the separators and for controlling the pump and source of compressed air to maintain the rotational force of the separators within the range of about 1000g to about 2000g.

Claim 6. (currently amended) A centrifugal separator apparatus according to claim 2 for use as a bypass or in-line filter in cleaning fluid utilized in industrial applications, the apparatus comprising a centrifugal separator having a casing and a rotor rotatably mounted in the casing, a centrifugal pump between a cleaning fluid tank and an inlet of the separator wherein the tank comprises a sloping bottom which slopes in both linear directions of the tank to provide a low point at one corner of the tank where the inlet to the centrifugal separator is located the centrifugal pump is located for pumping some of the fluid from the tank into the separator to cause the rotor to rotate at a speed sufficient to provide a rotational force of the fluid impinging on the casing in a range of between about 1000g and

S.N. 10/083,692  
Art Unit 1723

Page 5

about 2000g to thereby clean the fluid, a source of compressed air connected to the casing of the separator for maintaining the volume of air in the casing, and a control panel for monitoring the operation of the separator and for controlling the pump and source of compressed air to maintain the rotational force of the separator within the range of about 1000g to about 2000g.